## Affidavit of Publication

County of Sait Lake	
OPDER TO SHOW CAUSE	Shana D. Conaty
ORDER TO SHOW CAUSE  NO. ACT/947/002  BEFORE THE BOARD OF OIL, GAS, AND MINING DE- PARTMENT OF NATURAL RESOURCES IN and for the STATE OF UTAH IN THE MATTER OF THE APPROVAL OF THE NOTICE OF INTENT AND RECLAMA- TION PLAN SUBMITTED BY GEOKINETICS, INC., UTAH EXPERIMENTAL SITE #1, UINTAH COUNTY, UTAH, THE STATE OF UTAH TO ALL OPERATORS, TAKERS OF PRODUCTION, OIL SHALE AND ROYALTY OWN- ERS, AND PARTICULARLY ALL PERSONS INTERESTED IN TOWNSHIP 14 SOUTH, RANGE 22 EAST, SITE SITE IN TOWNSHIP 14 SOUTH, NOTICE is hereby given that tentative approval was given to Geokinetics, Inc. by the Utah Division of Oil, Gas, and Min- ing, to commence in situ Oil Shale retorting on portions of Section 2, Township 14 South, Range 22 East, Unitah County, UTAH, The name of the retort site is the Utah Experimental Site #1, and the person repre- serving the commence in this	Being first duly sworn, deposes and says that he is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah, and of the DESERET NEWS a daily (except Sunday) newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.  That the legal notice of which a copy is attached hereto Pub order to show cuase #ACT-047-002 (Geokinetics)
Utah. The name of the retort site is the Utah Experimental	or and the property of the pro
matter is Mr. John D. Downen, Vice President, Geokinetics, Inc., 280 Buchanan Field Road, Concord, California 94520. Geokinetics, Inc., has fulfilled obligations under the Mined Land Reclamation Act of 1975 (Section 40-8, U.C.A., 1953 as amended) and will employ the following reclamation tech- niques on 9 acres which com- prise the land affected. The land affected is a State oil shale	Inc.)
lease.  During Operations:  1. Reforting will be conducted in a sete and orderly fashion.  2. Monitoring will be conducted to determine the effects or reterts on the quality and distribution of ground and surface water.  3. Revegetation plans will be	was published in said newspapers on Feb. 15, 1979
implemented on reforted areas as they are abandoned.  4. Process and flare gasses will be monitored and analyzed. Results will be utilized in the design of emission equipment.	
5. A complete weather station will monitor and record meteorological data. Data will be used for dispersion modeling and inversion patterns in the area.  6. A temporary camp, for	Legal Advertising Clerk
employees only, will be main- tained at the site. It will comply with all State health require-	
7. A monitoring program to 3rn to befo assess general toxic properties of the retorted material will be conducted to determine potential health hazards for humans.  8. Effluent water from the operation will be contained in a	re me thisday ofday of
no-discharge, membrane-lined evaporation pond. After Operations: 1. Extraneous debris, scrap metal and wood, and all build- ings and equipment will be removed from the site.	Il Thomas
Core holes, drill holes and/or excavations will be backfilled or plugged to prevent migration of substances.     The entire area affected will be stabilized by establishing a self-sustaining vegetative cover through seeding with a	Notary Public
Reclamation performance surety has been established and has been posted with the Division of State Lands.  Any person or agency age.	
Any person or agency aggregatived by this tentalive decision is hereby requested to submit written protest within 30 days from February 16, 1979, to the Division of Oil, Gas, and Mining, 1588 West North Tem-	

Shann D. Chieff

Attorney

# Proof of Publication From

THE SALT LAKE TRIBUNE

reb. 16, 1979

### Affidavit of Publication

STATE OF UTAH.		
County of Salt Lake		SS

Shana D. Conaty

ORDER TO	O SHOW CAUSE CT/047/002 THE BOARD OF	
PARTMENT RESOURCES	OF NATURAL  On and for the	Being first duly sworn, deposes and says that he is legal ad-
IN THE M	ATTER OF THE OF THE NOTICE AND RECLAMA- SUBMITTED BY	vertising clerk of THE SALT LAKE TRIBUNE, a daily news-
OF INTENT	AND RECLAMA- SUBMITTED BY	paper printed in the English language with general circula-
GEUKINE	CS, INC., UTAH	tion in Utah, and published in Salt Lake City, Salt Lake
THE STAT	E OF UTAH TO	County in the State of Utah, and of the DESERET NEWS
OF PROD	TITLE STEE ST.  TE OF UTAH TO TORS, TAKERS UCTION, OIL ROYALTY OWN-	a daily (except Sunday) newspaper printed in the English
ERS, AND	PARTICULARLY NS INTERESTED	language with general circulation in Utah, and published in
		Salt Lake City, Salt Lake County, in the State of Utah.
TAH COUNT	AST, SLBM, UIN- Y, UTAH.	
tentative app	roval was given to	m:
Division of C	Inc. by the Utah Dit, Gas, and Min- mence in situ Oil	That the legal notice of which a copy is attached hereto
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Range 22 Ea	ownship 14 South, st, Uintah County, ame of the refort tah Experimental	Pub order to show cuase #ACT-047-002 (Geokinetics
site is the U	tah Experimental the person repre-	
senting the	John D. Downen,	Inc.)
Inc., 280 Buc	ent, Geokinetics, hanan Field Road,	
Concord, Cal	ifornia 94520.	
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amended) ar	id will employ the	
niques on 9	acres which com- acres which com- and affected. The	
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My Commission Expires

Feb. 11, 1982

# **Proof of Publication**

From

THE SALT LAKE TRIBUNE

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#### ORDER TO SHOW CAUSE NO. ACT/047/002

BEFORE THE BOARD OF OIL, GAS AND MIN-ING, DEPARTMENT OF N A T U R A L RESOURCES, in and for the STATE OF UTAH

IN THE MATTER OF THE APPROVAL OF THE NOTICE OF INTENT AND RECLAMATION PLAN SUBMITTED BY GEOKINETICS, INC., UTAH EXPERIMENTAL SITE NO. 1, UINTAH COUNTY, UTAH.

THE STATE OF UTAH
TO ALL OPERATORS,
TAKERS OF PRODUCTION, OIL SHALE AND
ROYALTY OWNERS,
AND PARTICULARLY
TO ALL PERSONS INTERESTED IN
TOWNSHIP 14 SOUTH,
RANGE 22, EAST,
SLBM, UINTAH COUNTY, UTAH.

Notice is hereby given that tentative approval was given to Geokinetics, Inc. by the Utah Division of Oil, Gas and Mining, to commence in situ Oil Shale retorting on portions of Section 2, Township 14 South, Range 22 East, Uintah County, Utah. The name of the retort site is the Utah Experimental Site No. 1, and the person representing the company in this matter is Mr. John D. Downen, Vice President, Geokinetics, Inc., 280 Buchanan Field Road, Concord, California, 94520.

Geokinetics, Inc. has fulfilled obligations under the Mined Land Reclamation Act of 1975 (Section 40-8, UCA, 1953 as amended) and will employ the following reclamation techniques on 9 acres which comprise the land affected. The land affected is a State oil shale lease.

During Operations:
1. Retorting will be conducted in a safe and orderly fashion.

2. Monitoring will be conducted to determine the effects of retorts on the quality and distribution of ground and surface water.

3. Revegetation plans will be implemented on retorted areas as they are abandoned.

4. Process and flare gasses will be monitored and analyzed. Results will be utilized in the design of emission equipment.

5. A complete weather station will monitor and record meteorological data. Data will be used for dispersion modeling and inversion patterns in the area.

6. A temporary camp, for employees only, will be maintained at the site. It will comply with all State health requirements.

7. A monitoring program to assess general toxic properties of the retorted material will be conducted to determine potential health hazards for humans.

8. Effluent water from the operation will be contained in a no-discharge, m e m b r a n e - l i n e d evaporation pond. After Operations:

1. Extraneous debris, scrap metal and wood, and all buildings and equipment will be removed from the site.

2. Core holes, drill holes and/or excavations will be backfilled or plugged to prevent migration of substances.

3. The entire area affected will be stabilized by establishing a self-sustaining vegetative cover through seeding with a specified and diverse seed mixture.

Reclamation performance surety has been established and has been posted with the Division of State Lands.

Any person or agency aggrieved by this tentative decision is hereby requested to submit written protest within 30 days from February 16, 1979, to the Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, Utah 84116, setting forth factual reasons for his or her complaint, and thereafter, at a time and place heretobe established, appear before the Board of Oil, Gas and Mining to show cause, if any there by, why this plan should not be ap-

proved.

DATED this 7th day of February.
STATE OF UTAH, BOARD OF OIL, GAS AND MINING
/s/ SCHEREE WILCOX
Secretary of the Board

Published in the Vernal Express February 15, 1979

# PROOF OF PUBLICATION

SS.

STATE OF UTAH, {
County of Uintah

I, Joan Gray
being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published once each week at Vernal, Utah, that the notice attached hereto was published in said newspaper
for one consecutive weeks,
the first publication having been made on
the .15 day of February , 1979
and the last on the15 day of
February , 19.79, that said notice
was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.
By Jour Gray Manager
Subscribed and sworn to before me,
this 15 day of February
A. D. 19.79

Notary Public, Residence, Vernal, Utah

My Commission expires ......

#### ORDER TO SHOW CAUSE NO. ACT/047/002

BEFORE THE BOARD OF OIL, GAS AND MIN-ING, DEPARTMENT OF N A T U R A L RESOURCES, in and for the STATE OF UTAH

IN THE MATTER OF THE APPROVAL OF THE NOTICE OF INTENT AND RECLAMATION PLAN SUBMITTED BY GEOKINETICS, INC., UTAH EXPERIMENTAL SITE NO. 1, UINTAH COUNTY, UTAH.

THE STATE OF UTAH
TO ALL OPERATORS,
TAKERS OF PRODUCTION, OIL SHALE AND
ROYALTY OWNERS,
AND PARTICULARLY
TO ALL PERSONS INTERESTED IN
TOWNSHIP 14 SOUTH,
RANGE 22, EAST,
SLBM, UINTAH COUNTY, UTAH.

Notice is hereby given that tentative approval was given to Geokinetics, Inc. by the Utah Division of Oil, Gas and Mining, to commence in situ Oil Shale retorting on portions of Section 2,
Township 14 South,
Range 22 East, Uintah County, Utah. The name of the retort site is the Utah Experimental Site No. 1, and the person representing the company in this matter is Mr. John D. Downen, Vice President, Geokinetics, Inc., 280 Buchanan Field Road, Concord, California, 94520.

Geokinetics, Inc. has fulfilled obligations under the Mined Land Reclamation Act of 1975 (Section 40-8, UCA, 1953 as amended) and will employ the following reclamation techniques on 9 acres which comprise the land affected. The land affected is a State oil shale lease.

During Operations:

- 1. Retorting will be conducted in a safe and orderly fashion.
- 2. Monitoring will be conducted to determine the effects of retorts on the quality and distribution of ground and surface water.
- 3. Revegetation plans will be implemented on retorted areas as they are abandoned.
- 4. Process and flare gasses will be monitored and analyzed. Results will be utilized in the design of emission equipment.

- 5. A complete weather station will monitor and record meteorological data. Data will be used for dispersion modeling and inversion patterns in the area.
- 6. A temporary camp, for employees only, will be maintained at the site. It will comply with all State health requirements.
- 7. A monitoring program to assess general toxic properties of the retorted material will be conducted to determine potential health hazards for humans.
- 8. Effluent water from the operation will be contained in a no-discharge, m e m b r a n e l i n e d evaporation pond.

  After Operations:
- 1. Extraneous debris, scrap metal and wood, and all buildings and equipment will be removed from the site.
- Core holes, drill holes and/or excavations will be backfilled or plugged to prevent migration of substances.
- 3. The entire area affected will be stabilized by establishing a self-sustaining vegetative cover through seeding with a specified and diverse seed mixture.

Reclamation performance surety has been established and has been posted with the Division of State Lands.

Any person or agency aggrieved by this tentative decision is hereby requested to submit written protest within 30 days from February 16, 1979, to the Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, Utah 84116, setting forth factual reasons for his or her complaint, and place heretobe established, appear before the Board of Oil, Gas and Mining to show cause, if any there by, why this plan should not be approved.

DATED this 7th day of February. STATE OF UTAH, BOARD OF OIL, GAS AND MINING. /s/ SCHEREE WILCOX Secretary of the Board

Published in the Vernal Express February 15, 1979

### PROOF OF PUBLICATION

STATE OF UTAH, County of Uintah ss.

I,,
being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published once each week at Vernal, Utah, that the notice attached hereto was published in said newspaper
for consecutive weeks,
the first publication having been made on
the 15 day of February , 19.79
and the last on the15 day of
February , 1979, that said notice
was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.
By Joan Thay Manager
Subscribed and sworn to before me,
this15 day ofFebruary
A. D. 19.79  Jack P. Halls
Notary Public, Residence, Vernal, Utah
My Commission expires